

REMARKS

[0003] Applicant respectfully requests reconsideration and allowance of all of the claims of the application. Claims 1-9, 11-33 and 35-37 are presently pending. Claim 27 is amended herein. Claim 34 is cancelled herein, and no claims are withdrawn. No new claims are added herein.

Formal Request for an Interview

[0004] If the Examiner's reply to this communication is anything other than allowance of all pending claims, then I formally request an interview with the Examiner. I encourage the Examiner to call me—the undersigned representative for the Applicant—so that we can talk about this matter so as to resolve any outstanding issues quickly and efficiently over the phone.

[0005] Please contact me or my assistant to schedule a date and time for a telephone interview that is most convenient for both of us. While email works great for us, I welcome your call to either of us as well. Our contact information may be found on the last page of this response.

Allowable Subject Matter

[0006] Applicant would like to thank the Examiner for allowing claims 1-9 and 11-26. These claims have not been amended herein, and therefore remain allowable.

Claim Amendments

[0007] Without conceding the propriety of the rejections herein and in the interest of expediting prosecution, Applicant amends claim 27 herein.

Formal Matters

[0008] This section addresses any formal matters (e.g., objections) raised by the Examiner.

Claims

[0009] The Examiner objects to claims 34-36 as being dependent upon a rejected base claim, and stated that these claims "would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims." Herein, Applicant cancels claim 34 and incorporates the features or elements of claim 34 into claim 27. The Applicant believes that claims 35-36 are now in a state of allowance and that any objections to claims 35-36 are thereby mooted.

Substantive Matters

Claim Rejections under § 102

[0010] Claims 27-33 and 37 are rejected under 35 U.S.C. § 102. In light of the amendments presented herein, the Applicant submits that these rejections are moot. Accordingly, Applicant asks the Examiner to withdraw these rejections.

[0011] The Examiner has stated the following in regard to claim 34:

Claims 34-36 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

[0012] The Examiner rejects claims 27-33 and 37 under § 102. However, claim 34 has been canceled and its features have been incorporated into independent claim 27. Claim 27 now recites the following elements or features (emphasis added):

- “receive an omnibus mixed signal which includes comprises multiple input signals that have been received from multiple different sources and mixed together **in a tree-like organizational structure with each of the multiple input signals being a “leaf” in the tree-like organizational structure and each “leaf” representing one of the multiple input signals that is unmixed with other signals**, wherein when the omnibus signal is received by the detector it is unknown whether at least one of the input signals comprises an embedded signal therein, and
- “concurrently test the multiple input signals of the omnibus signal as a single continuous stream which is to be examined for the presence of an embedded signal to determine if at least one of the multiple input signals of the omnibus mixed signal comprises an embedded signal therein, and

- **"perform a tree-search of the tree-like organizational structure which represents the multiple input signals of the omnibus signal to locate which of the multiple input signals has the embedded signal therein."**

[0013] The Examiner has stated that claims 1-26 are allowable and has stated the following in regard to independent claims 1 and 15:

Applicant's arguments with respect to claim 1 and 15 have been fully considered and are persuasive. Rhoads does not teach "performing a tree-search of a tree-like organizational structure which represents the multiple input signals of the omnibus signal to locate which of the multiple input signals has the embedded signal therein".

Applicant's arguments with respect to claim 1 and 15 have been fully considered and are persuasive. Katayama does not teach "performing a tree-search of a tree-like organizational structure which represents the multiple input signals of the omnibus signal to locate which of the multiple input signals has the embedded signal therein".

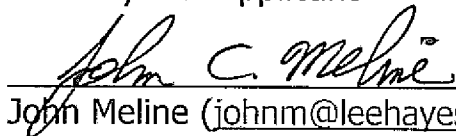
[0014] As can be seen above, independent claim 27 has been amended to recite the elements or features which are distinguishing from Rhoads and Katayama. Claims 28-33 and 37 depend from claim 27. The Applicant now asserts that claims 27-33 and 37 are allowable. Accordingly, the Applicant respectfully requests that the § 102 rejections of claims 27-33 and 37 be withdrawn and the case be passed along to issuance.

Conclusion

[0015] All pending claims are in condition for allowance. Applicant respectfully requests reconsideration and prompt issuance of the application. If any issues remain that prevent issuance of this application, the **Examiner is urged to contact me before issuing a subsequent Action.** Please call/email me or my assistant at your convenience.

Respectfully Submitted,

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